

86	94	12.3	621	4	US-07-757-0228-135	Sequence 135, Appl
87	94	12.3	624	4	US-07-757-0228-131	Sequence 131, Appl
88	94	12.3	627	4	US-07-757-0228-93	Sequence 93, Appl
89	94	12.3	660	4	US-07-757-0228-95	Sequence 95, Appl
90	94	12.3	696	4	US-07-757-0228-29	Sequence 29, Appl
91	94	12.3	714	4	US-07-757-0228-71	Sequence 71, Appl
92	94	12.3	891	4	US-07-757-0228-69	Sequence 69, Appl
93	94	12.3	1206	4	US-09-312-283C-357	Sequence 357, Appl
94	94	12.3	1392	4	US-07-757-0228-53	Sequence 53, Appl
95	94	12.3	3420	4	US-07-757-0228-103	Sequence 103, Appl
96	94	12.3	3936	4	US-07-757-0228-41	Sequence 41, Appl
97	94	12.3	4065	4	US-07-757-0228-47	Sequence 47, Appl
98	94	12.3	4086	4	US-07-757-0228-39	Sequence 39, Appl
99	94	12.3	4215	4	US-07-757-0228-61	Sequence 61, Appl
100	94	12.3	5008	4	US-07-757-0228-1	Sequence 1, Appl

## ALIGNMENTS

```

US-09-016-434-1271
; Sequence 1271, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; NUMBER OF SEQUENCES: 1490
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1271:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 594 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g28638
; US-09-016-434-1271

Alignment Scores:
Pred. No.: 4,21e-72 length: 594
Score: 762.00 Matches: 132
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0

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DB:	4	Gaps:	0
	US-10-613-105-2 (1-132) x US-09-016-434-1271 (1-594)		
Qy	1 MetIySSerSerGilyLeuPheProPheLeuValIleuLeuAlaleuGIyThrLeuAlapro 20		
Db	19 ATGAAGTCACAGGGGCGCTCTTCCCTTCCTGGTGTGCTGCTGCCCTGGGAACCTCGCACCT 78		
Qy	21 ThrAlaValGIuGIySerGIyLySSerPheLySAlaGIyValCyseProPolysLySSer 40		
Db	79 TGGGCTGTGGAAAGGCTCTGGAAAGCTCTTCAAAAGCTGGAGTGTGCTCTCCTTAAGAAATCT 138		
Qy	41 AlaGInCySleuArgTyLyLySSerProGIuCySGInSerAspTTrpGIuCySProGIyLyS 60		
Db	139 GCCCAGTGCCTTAAGATACAGAAACCTGAGTGCACAGATGACCTGGCAGGTGCCAGGGAAAG 198		
Qy	61 LySArgCySeProAspThrCySgilyIleLySCySleuAspProValAspThrProasn 80		
Db	199 AAGGAGTATTCTCGACACTTGTGGATCAAAATCCCTGGATCTCGTTGACACCCCAAAAC 258		
Qy	81 ProThrArgArgLySProGIyLySCySProValIThrTyGIyGIuCySleuMetLeuasn 100		
Db	259 CCAACAAGAGAGAGACCTGGGAAAGGCCCAAGACCTTAATGCCCAATGTTGATGCTTAAC 318		
Qy	101 ProProAsnPheCySGIuMetAspGIyGIuCySlySArgAspLeuLySCySCySmetGIy 120		
Db	319 CCCCCCAATTTCTGTGAGATGAGATGGCCAGTGCACAGCGTGACTGAAGAGTGGCATGGGC 378		
Qy	121 MetCySgilySSerCySValSerProAllySAla 132		
Db	379 ATGATGTGGAATCTGTGGCTTCCCTCTGAAAGCT 414		

RESULT 2  
US-09-016-434-1024  
Sequence 1024, Application US/09016434  
Patent No. 650938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Sellhammer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1430  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1024:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 325 base pairs  
TYPE: nucleic acid

Sequence 61, App  
Sequence 1975, App  
Sequence 1975, App  
Sequence 214, App  
Sequence 360, App  
Sequence 8, App  
Sequence 499, App  
Sequence 1242, App  
Sequence 1242, App  
Sequence 5, App  
Sequence 9939, App  
Sequence 8268, App  
Sequence 1233, App  
Sequence 2513, App  
Sequence 119, App  
Sequence 315, App  
Sequence 11, App  
Sequence 1333, App  
Sequence 1393, App  
Sequence 1126, App  
Sequence 1788, App  
Sequence 1249, App  
Sequence 1277, App  
Sequence 344, App  
Sequence 344, App  
Sequence 344, App  
Sequence 344, App  
Sequence 344, App  
Sequence 344, App

2

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      N N ÖVARIAN  CANCER
57,021
10947
6
don 4.0
Length: 359
Matches: 132
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

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1-53 (1-399)  
PhenylValLeuLeuAlaLeuGlyThrLeuAlaPro 20  
TTTCTCGGTGCTGCTTGCCTCGGAACCTCGGACCT 60

Qy	22	TPRLAVALGILUGLYSERGLVYSESRPHELYSALAGLYVALCYSPROPOLVLYSESR	40
Db	61	TGGGCTGTGGAAGSCTCTGGAAAAGTCTTCAAGCTGAGCTCTCTCTTAAAGAAATCT	120
Qy	41	ALAGINCYLEAARGTYLYELYSERPROGILUCYGLINSEASPTPGINCYSPROGILYLS	60
Db	121	GCCCAATGCTTAAAGTACAAAGAAACCTGAGTCCAGATGACTGGCAGTGTCCAGGGGAG	180
Qy	61	LYSARGCYSCYSPROASPTNRCYSGILYLLEYSCYLEUASPPROVALASPTNPROASN	80
Db	181	AAGAGATGTTGTCCTGACACTTGTGGCATCAAAATGCCGTGATCCTGTGTGACACCCCAAC	240
Qy	81	PROTHARGARGLYSERPROGILYLYSESPROVALTHTRYGLYGLINCYLEUMETLEUASN	100
Db	241	CCAAACAAGAGAGAACCTCTGGAAAGGCCCAATGACTTAATGACCAATGTTGATGTCCTAAC	300
Qy	101	PROPROASNPHCYSGILUMETASPTLYGLINCYSLYSARGAPLEULYSACYSCYSMETGLY	120
Db	301	CCCCCAATTTCTGTGAGATGGAATGGCAATGCAAGCTGACTTGAAGTGTGTGATGGGC	360
Qy	121	METCYGLIYLSERCYSTVALSERPROVALIYLSALA	132
Db	361	ATGTGTGGAAATCCGCGGTTTCCCTCTGAAAGCT	396

```

RESULT 2
US-10-172-118-864
; Sequence 864, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
FILE REFERENCE: 9301-175-999
CURRENT APPLICATION NUMBER: US/10/172,118
CURRENT FILING DATE: 2002-06-14
PRIORITY APPLICATION NUMBER: 60/380,770
PRIORITY FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 864
LENGTH: 399
TYPE: DNA
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: NM_003066
DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-864

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Alignment scores:	
Pred. No.:	2,21e-82
Score:	762.00
Percent Similarity:	100.00%
Best Local Similarity:	100.00%
Query Match:	100.00%
DB:	15
Length:	399
Matches:	132
Conservative:	0
Mismatches:	0
Indels:	0
Gaps:	0

US-10-613-105-2 (1-132) x US-10-172-118-864 (1-359)

QY 1 MetIySeSeSergIyLeuPheProPheLeuValLeuLeuAlaLeuGlyThrLeuAlaPro 20

Db 1 ATGAAGTCACGCGCCCTTCCCTTCCCTGAGGCTGCTTGGCTGGAACTCTGGCACT 60

QY 21 TrpAlaValGluIySeSergIySeSerPheIyAlaGlyValCysProProlIySeSer 40

Db 61 TGCGCTGTGAAGGCTCTGAAAGTCTTCAAGCTGGAGGTCTGCTCTCTTAAGAAATCT 120

QY 41 AlAGInCysLeuAArgIyIyIyIySPProGluCysGlnSeAaPTmgInCysProlIyIys 60